

FILEID**DELETION

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DD	DD	EE	EE	TT		00	00	NN
DD	DD	EE	EE	TT		00	00	NN
DD	DD	EE	EE	TT		00	00	NNNN
DD	DD	EE	EE	TT		00	00	NNNN
DD	DD	EEEEEEE	EEEEE	TT		00	00	NN NN
DD	DD	EEEEEEE	EEEEE	TT		00	00	NN NN
DD	DD	EE	EE	TT		00	00	NN NNNN
DD	DD	EE	EE	TT		00	00	NN NN
DD	DD	EE	EE	TT		00	00	NN NNNN
DD	DD	EE	EE	TT		00	00	NN NNNN
DD	DD	EE	EE	TT		00	00	NN NN
DD	DD	EE	EE	TT		00	00	NN NN
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DDDDDDDD	EEEEEEEEE	LLLLLLLL	EEEEEEEEE	TT		000000	NN	NN

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```
1 0001 0 MODULE DELETION (%TITLE 'Process deletion'  
2 0002 0 IDENT = 'V04-000'  
3 0003 0 ) =  
4 0004 1 BEGIN  
5 0005 1  
6 0006 1  
7 0007 1 *****  
8 0008 1 *  
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27 0027 1 *  
28 0028 1 *****  
29 0029 1  
30 0030 1  
31 0031 1 **  
32 0032 1 * FACILITY:  
33 0033 1 * Job controller.  
34 0034 1  
35 0035 1 * ABSTRACT:  
36 0036 1 * This module contains the routines that handle process deletion.  
37 0037 1  
38 0038 1 * ENVIRONMENT:  
39 0039 1 * VAX/VMS user and kernel mode.  
40 0040 1 --  
41 0041 1  
42 0042 1 * AUTHOR: M. Jack, CREATION DATE: 16-Feb-1982  
43 0043 1  
44 0044 1 * MODIFIED BY:  
45 0045 1  
46 0046 1 V03-004 MLJ0114 Martin L. Jack, 23-Jun-1983 4:57  
47 0047 1 Changes for job controller baselevel.  
48 0048 1  
49 0049 1 V03-003 MLJ0112 Martin L. Jack, 29-Apr-1983 2:55  
50 0050 1 Changes for job controller baselevel.  
51 0051 1  
52 0052 1 V03-002 MLJ0109 Martin L. Jack, 14-Apr-1983 12:46  
53 0053 1 Changes for job controller baselevel.  
54 0054 1  
55 0055 1 V03-001 MLJ0106 Martin L. Jack, 1-Mar-1983 13:48  
56 0056 1 Changes for extended PIDs.  
57 0057 1 !
```

DELETION
V04-000

Process deletion

: 58

0058 1 !**

1 2
16-Sep-1984 00:02:38
14-Sep-1984 12:37:00
VAX-11 Bliss-32 V4.0-742
[JOBCTL.SRC]DELETION B32;1

Page 2
(1)

```
60 0059 1 REQUIRE 'SRC$:JOBCTLDEF';
61 1100 1
62 1101 1
63 1102 1 FORWARD ROUTINE
64 1103 1      PROCESS_DELETION:      NOVALUE;
65 1104 1
66 1105 1
67 1106 1 EXTERNAL ROUTINE
68 1107 1      BATCH_DELETION:      NOVALUE,
69 1108 1      DELETE_GETQUI_CONTEXT: NOVALUE,
70 1109 1      DELETE_SJH_RECORD:    NOVALUE,
71 1110 1      DEQUEUE_OPEN_JOB:    L_OUTPUT_1,
72 1111 1      FIND_PROCESS_DATA:  L_OUTPUT_3,
73 1112 1      LOCK_QUEUE_FILE:   NOVALUE,
74 1113 1      SYMBIONT_DELETION: NOVALUE,
75 1114 1      UNLOCK_QUEUE_FILE: NOVALUE,
76 1115 1      WRITE_ACCOUNTING_RECORD: NOVALUE;
```

```
78 1116 1 GLOBAL ROUTINE PROCESS_DELETION: NOVALUE=
79 1117 1
80 1118 1 ++
81 1119 1
82 1120 1 FUNCTIONAL DESCRIPTION:
83 1121 1 This routine processes the message type:
84 1122 1 MSGS DELPROC process deletion
85 1123 1 by updating the appropriate system data structures and writing an
86 1124 1 accounting record.
87 1125 1
88 1126 1 INPUT PARAMETERS:
89 1127 1 NONE
90 1128 1
91 1129 1 IMPLICIT INPUTS:
92 1130 1 MBX - Pointer to buffered mailbox message.
93 1131 1
94 1132 1 OUTPUT PARAMETERS:
95 1133 1 NONE
96 1134 1
97 1135 1 IMPLICIT OUTPUTS:
98 1136 1 Process data base updated.
99 1137 1
100 1138 1 ROUTINE VALUE:
101 1139 1 NONE
102 1140 1
103 1141 1 SIDE EFFECTS:
104 1142 1 NONE
105 1143 1
106 1144 1 --
107 1145 1
108 1146 2 BEGIN
109 1147 2 LOCAL
110 1148 2 TYPE.
111 1149 2 P1: REF BBLOCK, : Process type
112 1150 2 P2: REF BBLOCK, : Type-specific parameters
113 1151 2 OPEN_JOB, : True if process has an open job
114 1152 2 SJH_N, : Record number of SJH
115 1153 2 SJH: REF BBLOCK; : Pointer to SJH
116 1154 2
117 1155 2
118 1156 2 : Check whether this process had an open $GETQUI.
119 1157 2
120 1158 2 DELETE_GETQUI_CONTEXT(.MBX[ACMSL_PID]);
121 1159 2
122 1160 2
123 1161 2 : Check whether this process had an open job.
124 1162 2
125 1163 2 OPEN_JOB = FIND_PROCESS_DATA(PDE_K_OPEN_JOB, .MBX[ACMSL_PID], TRUE; . SJH_N);
126 1164 2
127 1165 2
128 1166 2 IF .JUEUE_FAB[FABSW_IFI] NEQ 0
129 1167 2 THEN
130 1168 3 BEGIN
131 1169 3
132 1170 3 : Lock the queue file.
133 1171 3
134 1172 3 LOCK_QUEUE_FILE();
```

```
135 1173 3
136 1174 3
137 1175 3
138 1176 3
139 1177 3
140 1178 3
141 1179 3
142 1180 3
143 1181 3
144 1182 2
145 1183 2
146 1184 2
147 1185 2
148 1186 2
149 1187 2
150 1188 2
151 1189 3
152 1190 3
153 1191 3
154 1192 3
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157 1195 4
158 1196 4
159 1197 4
160 1198 4
161 1199 4
162 1200 4
163 1201 4
164 1202 5
165 1203 5
166 1204 5
167 1205 4
168 1206 4
169 1207 3
170 1208 3
171 1209 3
172 1210 3
173 1211 4
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191 1229 2

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```
: 192 1230 2
: 193 1231 2
: 194 1232 2 ! Write the accounting record for the process.
: 195 1233 2
: 196 1234 2 WRITE_ACCOUNTING_FECORD(0, 0, .MBX);
: 197 1235 1 END;
```

```
.TITLE DELETION Process deletion
:IDENT \V04-000\  
.PSECT COMMON,NOEXE, OVR,2  
  
00000 DIAG_STORAGE_BASE:  
    .BLKB 0  
00000 DIAG_TRACE:  
    .BLKB 96  
00060 DIAG_COUNT:  
    .BLKB 96  
000C0 DIAG_FLAGS:  
    .BLKB 4  
000C4 WORK_AREA:  
    .BLKB 44  
000F0 SNDJBC_COUNT:  
    .BLKB 132  
00174 GETQUI_COUNT:  
    .BLKB 40  
0019C SNDACC_COUNT:  
    .BLKB 28  
001B8 SND SMB_COUNT:  
    .BLKB 72  
00200 DIAG_STORAGE_END:  
    .BLKB 0  
00200 FLAGS: .BLKB 4  
00204 IMAGE_DUMP STSFLG:  
    .BKB 4  
00208 THIS_SYSID:  
    .BLKB 6  
0020E .BLKB 2  
00210 CUR_TIME:  
    .BLKB 8  
00218 HOURLY_TIME:  
    .BLKB 8  
00220 HOURLY_PARAMS:  
    .BLKB 20  
00234 SYMBIONT_COUNT:  
    .BLKB 4  
00238 QUEUE_REFERENCE_COUNT:  
    .BLKB 4  
0023C MBX_MESSAGE_COUNT:  
    .BLRB 4  
00240 MBX: .BLKB 4  
00244 MBX_END: .BLKB 4  
00248 MEMORY_FREE_QUEUES:  
    .BLRB 40  
00270 NONAST_WORK_QUEUE:  
    .BLRB 8
```

00278 BCB_FREE_LIST:
 .BLKB 4
0027C BCB_ACTIVE_LIST:
 .BLKB 4
00280 GQL_FREE_LIST:
 .BLKB 4
00284 GQL_ACTIVE_LIST:
 .BLKB 4
00288 OPEN_GETQUI_LIST:
 .BLKB 4
0028C PROCESS_DATA_LIST:
 .BLKB 4
00290 SYMBIONT_CONTROL:
 .BLKB 4
00294 SPARE_AREA:
 .BLKB 12
002A0 REMOTE_REQUEST_LKSB:
 .BLKB 8
002A8 QUEUE_FILE_LKSB:
 .BLKB 8
002B0 QUEUE_LOCK_LKSB:
 .BLKB 8
002B8 RSP: .BLKB 8
002C0 JBC_PRIORITY:
 .BLKB 4
002C4 JBC_PRIVILEGES:
 .BLKB 8
002CC JBC_QUOTAS:
 .BLKB 66
0030E .BLKB 2
00310 JBC_UIC: .BLKB 4
00314 QUEUE_FAB:
 .BLKB 80
00364 QUEUE_RAB:
 .BLKB 68
003A8 QUEUE_NAM:
 .BLKB 96
00408 QUEUE_XAB:
 .BLKB 88
00460 QUEUE_RSA:
 .BLKB 255
0055F .BLKB 1
00560 QUEUE_ALQ:
 .BLKB 4
00564 QUEUE_MBF:
 .BLKB 1
00565 .BLKB 3
00568 ACCOUNTING_FABS:
 .BLKB 8
00570 ACCOUNTING_RABS:
 .BLKB 8
00578 ACCOUNT_FAB_A:
 .BLKB 80
005C8 ACCOUNT_RAB_A:
 .BLKB 68
0060C ACCOUNT_NAM_A:
 .BLKB 96

0066C ACCOUNT_RSA_A:
 .BLKB 255
0076B ACCOUNT_FAB_B:
 .BLKB 1
0076C ACCOUNT_FAB_B:
 .BLKB 80
007BC ACCOUNT_RAB_B:
 .BLKB 68
00800 ACCOUNT_NAM_B:
 .BLKB 96
00860 ACCOUNT_RSA_B:
 .BLKB 255
0095F DIAG_FAB:
 .BLKB 1
00960 DIAG_FAB:
 .BLKB 80
00980 DIAG_RAB:
 .BLKB 68
009F4 MBX_CHAN:
 .BLKB 4
009F8 MBX_IOSB:
 .BLKB 8
00A00 MBX_BUFFER:
 .BLKB 1024
00E00 VALUE_STORAGE_BASE:
 .BLKB 0
00E10 ITEM_PRESENT:
 .BLKB 32
00E20 VALUE_GETQUI_BASE:
 .BLKB 0
00E20 VALUE_ACCOUNTING_MESSAGE:
 .BLKB 6
00E26 VALUE_ACCOUNTING_TYPES:
 .BLKB 4
00E2A VALUE_AFTER_TIME:
 .BLKB 8
00E32 VALUE_ALIGNMENT_PAGES:
 .BLKB 1
00E33 VALUE_BASE_PRIORITY:
 .BLKB 1
00E34 VALUE_BATCH_INPUT:
 .BLKB 6
00E3A VALUE_BATCH_OUTPUT:
 .BLKB 10
00E44 VALUE_BUFFER_COUNT:
 .BLKB 1
00E45 VALUE_CHARACTERISTIC_NAME:
 .BLKB 6
00E4B VALUE_CHARACTERISTIC_NUMBER:
 .BLKB 1
00E4C VALUE_CHARACTERISTICS:
 .BLKB 16
00E5C VALUE_CHECKPOINT_DATA:
 .BLKB 6
00E62 VALUE_CLI:
 .BLKB 6
00E68 VALUE_CPU_DEFAULT:
 .BLKB 4
00E6C VALUE_CPU_LIMIT:

00E70 VALUE_DESTINATION_QUEUE:
 .BLKB 4
 .BLKB 8
00E78 VALUE_DEVICE_NAME:
 .BLKB 6
00E7E VALUE_ENTRY_NUMBER:
 .BLKB 4
00E82 VALUE_ENTRY_NUMBER_OUTPUT:
 .BLKB 10
00E8C VALUE_EXTEND_QUANTITY:
 .BLKB 2
00E8E VALUE_FILE_COPIES:
 .BLKB 1
00E8F VALUE_FILE_IDENTIFICATION:
 .BLKB 36
00E93 VALUE_FILE_SETUP_MODULES:
 .BLKB 8
00E99 VALUE_FILE_SPECIFICATION:
 .BLKB 6
00EBF VALUE_FIRST_PAGE:
 .BLKB 4
00EC3 VALUE_FORM_DESCRIPTION:
 .BLKB 6
00EC9 VALUE_FORM_LENGTH:
 .BLKB 1
00ECA VALUE_FORM_MARGIN_BOTTOM:
 .BLKB 1
00ECB VALUE_FORM_MARGIN_LEFT:
 .BLKB 2
00ECD VALUE_FORM_MARGIN_RIGHT:
 .BLKB 2
00ECF VALUE_FORM_MARGIN_TOP:
 .BLKB 1
00ED0 VALUE_FORM_NAME:
 .BLKB 6
00ED6 VALUE_FORM_NUMBER:
 .BLKB 4
00EDA VALUE_FORM:
 .BLKB 8
00EE2 VALUE_FORM_SETUP_MODULES:
 .BLKB 8
00EE8 VALUE_FORM_STOCK:
 .BLKB 6
00EEE VALUE_FORM_WIDTH:
 .BLKB 2
00EFO VALUE_GENERIC_TARGET:
 .BLKB 996
012D4 VALUE_JOB_COPIES:
 .BLKB 1
012D5 VALUE_JOB_LIMIT:
 .BLKB 1
012D6 VALUE_JOB_NAME:
 .BLKB 6
012DC VALUE_JOB_RESET_MODULES:
 .BLKB 6
012E2 VALUE_JOB_SIZE_MAXIMUM:
 .BLKB 4

012E6 VALUE_JOB_SIZE_MINIMUM:
012EA VALUE_JOB_STATUS_OUTPUT:
012F4 VALUE_LAST_PAGE:
012F8 VALUE_LIBRARY_SPECIFICATION:
012FE VALUE_LOG_QUEUE:
01306 VALUE_LOG_SPECIFICATION:
0130C VALUE_NOTE:
01312 VALUE_OPERATOR_REQUEST:
01318 VALUE_OWNER_UIC:
0131C VALUE_PAGE_SETUP_MODULES:
01322 VALUE_PARAMETER_1:
01328 VALUE_PARAMETER_2:
0132E VALUE_PARAMETER_3:
01334 VALUE_PARAMETER_4:
0133A VALUE_PARAMETER_5:
01340 VALUE_PARAMETER_6:
01346 VALUE_PARAMETER_7:
0134C VALUE_PARAMETER_8:
01352 VALUE_PRIORITY:
01353 VALUE_PROCESSOR:
01359 VALUE_PROTECTION:
0135D VALUE_QUEUE:
01363 VALUE_QUEUE_FILE_SPECIFICATION:
01369 VALUE_RELATIVE_PAGE:
0136D VALUE_RESERVED_INPUT_1:
0136E VALUE_RESERVED_INPUT_2:
01370 VALUE_RESERVED_INPUT_3:
01374 VALUE_RESERVED_INPUT_4:
0137A VALUE_RESERVED_OUTPUT_1:

01384 VALUE_RESERVED_OUTPUT_2:
 .BLKB 10
 0138E VALUE_SEARCH_STRING:
 .BLKB 10
 01394 VALUE_SC\$NODE_NAME:
 .BLKB 6
 0139A VALUE_WSDEFAULT:
 .BLKB 6
 0139C VALUE_WSEXtent:
 .BLKB 2
 0139E VALUE_WsQuota:
 .BLKB 2
 013A0 VALUE_STORAGE_END:
 .BLKB 0

JBC\$ CLOSEOUT= 266328
 JBC\$ NOCMKRNL= 272388
 JBC\$ NOOPER= 272532
 JBC\$ NOSYSNAM= 272404
 JBC\$ OPENIN= 266392
 JBC\$ OPENOUT= 266400
 JBC\$ READERR= 266416
 JBC\$ WRITEERR= 266448
 .EXTRN BATCH_DELETION, DELETE_GETQUI_CONTEXT
 .EXTRN DELETE_SJH_RECORD
 .EXTRN DEQUEUE_OPEN_JOB
 .EXTRN FIND_PROCESS_DATA
 .EXTRN LOCK_QUEUE_FILE
 .EXTRN SYMBIONT_DELETION
 .EXTRN UNLOCK_QUEUE_FILE
 .EXTRN WRITE_ACCOUNTING_RECORD

.PSECT CODE,NOWRT,2

54 00000000G	EF	0E1C 00000	.ENTRY	PROCESS_DELETION, Save R2,R3,R4,R9,R10,R11	: 1116
53 00000000G	EF	9E 00002	MOVAB	UNLOCK_QUEUE_FILE, R4	
52 00000000	EF	9E 00009	MOVAB	FIND_PROCESS_DATA, R3	
50	28	62 DD 00017	MOVAB	MBX, R2	1158
00000000G	EF	A0 DD 0001A	MOVL	MBX, R0	
		01 FB 0001D	PUSHL	40(R0)	
		01 DD 00024	CALLS	#1, DELETE_GETQUI_CONTEXT	1163
	50	62 DD 00026	PUSHL	#1	
	28	A0 DD 00029	MOVL	MBX, R0	
		03 DD 0002C	PUSHL	40(R0)	
	63	03 FB 0002E	CALLS	#3, FIND_PROCESS_DATA	
	59	50 DD 00031	MOVL	R0, OPEN_JOB	
	00D6	C2 B5 00034	TSTW	QUEUE_FA8+2	1166
		20 13 00038	BEQL	1\$	
00000000G	EF	00 FB 0003A	CALLS	#0, LOCK_QUEUE_FILE	1172
	16	59 E9 00041	BLBC	OPEN_JOB, 1\$	1177
00000000G	EF	01 FB 00046	PUSHL	SJH_N	1179
	0A	50 E9 0004D	CALLS	#1, DEQUEUE_OPEN_JOB	
	7E	5A 7D 00050	BLBC	R0, 1\$	
00000000G	EF	02 FB 00053	MOVO	SJH_N, -(SP)	1181
			CALLS	#2, DELETE_SJH_RECORD	

			01	DD 0005A	1\$:	PUSHL #1		1187
			50	DD 0005C		MOVL MBX, R0		
			28	DD 0005F		PUSHL 40(R0)		
			63	D4 00062		CLRL -(SP)		
			2A	FB 00064		CALLS #3, FIND_PROCESS_DATA		
			50	E9 00067		BLBC R0, 5\$		
01	00D6		50	C2 0006A		MOVZWL QUÉUE_FAB+2, R0		1200
			01	59 CF 0006F		CASEL TYPE #1, #1		1190
	0016		0004	00073	2\$:	.WORD 3\$-2\$,-		
						4\$-2\$		
				50 D5 00077	3\$:	TSTL R0		1200
	00000000G	7E	2D	13 00079		BEQL 7\$		
		EF	5A	7D 0007B		MOVQ P1, -(SP)		1203
		64	02	FB 0007E		CALLS #2, BATCH_DELETION		
			00	FB 00085		CALLS #0, UNLOCK_QUEUE_FILE		1204
			04	00088		RET		1195
	00000000G	EF	50	D5 00089	4\$:	TSTL R0		1215
			07	13 0008B		BEQL 5\$		
		00D6	00	FB 0008D		CALLS #0, SYMBIONT_DELETION		1217
			C2	B5 00094	5\$:	TSTW QUÉUE_FAB+2		1227
		64	03	13 00098		BEQL 6\$		
			00	FB 0009A		CALLS #0, UNLOCK_QUEUE_FILE		1229
	00000000G	EF	62	DD 0009D	6\$:	PUSHL MBX		1234
			7E	7C 0009F		CLRQ -(SP)		
			03	FB 000A1		CALLS #3, WRITE_ACCOUNTING_RECORD		
			04	000A8	7\$:	RET		1235

; Routine Size: 169 bytes. Routine Base: CODE + 0000

DELETION
V04-000 Process deletion
: 199 1236 1 END
: 200 1237 0 ELUDOM

G 3
16-Sep-1984 00:02:38 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 12:37:00 [JOBCTL.SRC]DELETION.B32;1

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(4)

E
V

PSECT SUMMARY

Name	Bytes	Attributes
COMMON CODE	5024 NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, OVR,NOPIC,ALIGN(2) 169 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)	

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
\$_\$255\$DUA28:[SYSLIB]LIB.L32;1	18619	34	0	1000	00:01.3

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:DELETION/OBJ=OBJ\$:DELETION MSRC\$:DELETION/UPDATE=(ENH\$:DELETION)

Size: 169 code + 5024 data bytes
Run Time: 00:10.8
Elapsed Time: 00:50.0
Lines/CPU Min: 6859
Lexemes/CPU-Min: 55996
Memory Used: 223 pages
Compilation Complete

2

0192 AH-BT13A-SE
VAX/VMS V4.0

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